

GASCONADE RIVER BASIN

06928440 ROUBIDOUX SPRING AT WAYNESVILLE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°49'30", long 92°11'53", NE 1/4 NW 1/4 sec. 25 T.36 N., R.12 W., Pulaski County, Hydrologic Unit 10290201. Take business loop 44 through Waynesville, turn south along river and follow up to spring.

PERIOD OF RECORD.--November 1993 to current year.

REMARKS.--Ambient water-quality monitoring network station since November 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 µM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL KF AGAR (COLS. PER 100 ML) (31673)	ALKA- LITY WAT WH TOT FET FIELD (MG/L AS CaCO ₃) (00410)
NOV 16...	1600	101	13.0	318	7.70	7.00	66	--	K1	93	148
JAN 23...	1530	500	8.5	262	7.30	10.0	84	<10	40	58	120
MAR 28...	1500	670	12.0	319	7.60	8.60	78	--	53	190	156
APR 24...	1100	750	13.0	238	7.30	8.30	78	--	184	280	121
JUN 23...	1030	113	16.0	310	7.84	6.10	61	<10	K6	36	154
AUG 29...	0800	23	17.5	390	7.11	5.50	58	--	K810	K5	193

DATE	BICAR- BONATE WATER WH IT FIELD (MG/L AS HCO ₃) (00450)	CAR- BONATE WATER WH IT FIELD (MG/L AS CO ₃) (00447)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N) (00630)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD- NESS TOTAL (MG/L AS CAO ₃) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
NOV 16...	180	0	0.540	0.540	<0.010	<0.20	<0.020	0.010	--	--
JAN 23...	147	0	0.690	<0.010	0.010	<0.20	<0.020	0.010	130	27
MAR 28...	190	0	0.210	<0.010	0.010	<0.20	0.020	0.010	--	--
APR 24...	146	0	0.310	<0.010	0.020	<0.20	<0.020	0.020	--	--
JUN 23...	189	0	0.280	<0.010	0.020	<0.20	<0.020	0.010	160	33
AUG 29...	239	0	0.410	0.010	0.010	0.20	0.020	0.010	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO ₄) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (µG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (µG/L AS AL) (01106)
JAN 23...	16	2.0	1.3	7.1	4.1	<0.10	150	4	140	20
JUN 23...	20	2.1	1.6	6.5	3.0	<0.10	170	4	70	20

DATE	CADMIUM TOTAL RECOV- ERABLE (µG/L AS CD) (01027)	CADMIUM SOLVED (µG/L AS CD) (01025)	COPPER, DIS- SOLVED (µG/L AS CU) (01040)	IRON, DIS- SOLVED (µG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (µG/L AS PB) (01051)	LEAD, DIS- SOLVED (µG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (µG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (µG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (µG/L AS ZN) (01092)	ZINC, DIS- SOLVED (µG/L AS ZN) (01090)
JAN 23...	<1	<1.0	<1	16	1	<1	2	0.10	4	<4
JUN 23...	1	1.0	<1	5	1	1	1	0.10	7	4

K--Results based on colony count outside the acceptable range (non-ideal colony count).